

Observations of Wolf's Periodic Comet, made at the Cambridge Observatory with the Northumberland Equatoreal and Square Bar Micrometer. By A. Graham, M.A., Chief Assistant.

(Communicated by the Secretaries.)

| 1891. | Greenwich M.T. | R.A. $\begin{smallmatrix} h & m & s \end{smallmatrix}$ | | Decl. $\begin{smallmatrix} ^{\circ} & ' & '' \end{smallmatrix}$ | | No. of Comp. | Mean Places of Comparison Stars. R.A. 1891 $\begin{smallmatrix} o & s \end{smallmatrix}$ | | | Decl. 1891 $\begin{smallmatrix} o & ' & '' \end{smallmatrix}$ | | | Authority. |
|-------|----------------|--|-------|---|------|-----------------|---|-------|-------|---|--|-----------------------------------|------------|
| | | | | | | | | | | | | | |
| Aug. | 15.46266 | 2 51 | 54.72 | 27 44 | 11.3 | 5 | 2 49 | 24.23 | 27 48 | 53.7 | 4 | Meridian Observations, Cambridge. | |
| | 18.48913 | 2 59 | 45.09 | 27 23 | 39.9 | 5 | 2 59 | 5.85 | 27 26 | 41.7 | 3 | " " | |
| | 28.46021 | 3 24 | 27.97 | 25 44 | 33.0 | 5 | 3 24 | 45.94 | 25 47 | 9.2 | 4 | " " | |
| | 28.46021 | 3 24 | 28.28 | 25 44 | 34.0 | 5 | 3 26 | 0.96 | 25 50 | 6.6 | 1 | " " | |
| Sept. | 29.43224 | 3 26 | 45.27 | 25 32 | 24.2 | 5 | 3 30 | 37.32 | 25 38 | 20.9 | 4 | " " | |
| | 1.40023 | 3 33 | 38.76 | 24 51 | 46.3 | 10 | 3 34 | 15.63 | 24 58 | 35.5 | 2 | " " | |
| | 2.42124 | 3 35 | 58.67 | 24 36 | 35.1 | 6 | 3 38 | 39.42 | 24 29 | 47.7 | 3 | " " | |
| | 8.40088 | 3 48 | 57.99 | 22 57 | 34.4 | 10 | 3 50 | 36.04 | 22 51 | 29.6 | 3 | " " | |
| | 9.45960 | 3 51 | 8.85 | 22 38 | 8.3 | 5 | 3 52 | 42.04 | 22 40 | 38.8 | 3 | " " | |
| | 10.41493 | 3 53 | 4.99 | 22 20 | 6.9 | 5 | 3 50 | 25.59 | 22 9 | 48.5 | 3 | " " | |
| | 11.42903 | 3 55 | 7.53 | 22 0 | 22.1 | 5 | 3 58 | 15.00 | 21 47 | 0.4 | A ¹ Tauri, Nautical Almanac. | | |
| | 12.42207 | 3 57 | 3.85 | 21 40 | 29.6 | 10 | 3 58 | 15.00 | 21 47 | 0.4 | " " | | |
| | 12.42207 | 3 57 | 3.73 | 21 40 | 30.3 | 10 | 3 58 | 53.04 | 21 42 | 50.9 | A ² Tauri, Greenwich Catalogue, 1880. | | |
| | 14.43044 | 4 0 | 54.53 | 20 58 | 52.5 | 10 | 4 0 | 44.19 | 20 58 | 6.9 | 2 Meridian Observations, Cambridge. | | |
| | 14.43044 | 4 0 | 54.69 | 20 58 | 51.0 | 10 | 4 1 | 19.04 | 20 58 | 14.0 | 4 | " " | |
| | 28.41396 | 4 23 | 20.21 | 15 14 | 2.2 | 10 | 4 20 | 7.98 | 15 22 | 14.4 | 71 Tauri, Greenwich Catalogue, 1872. | | |
| | 28.41396 | 4 23 | 20.12 | 15 13 | 59.9 | 10 | 4 23 | 55.60 | 15 23 | 56.8 | 80 Tauri, Greenwich Catalogue, 1880. | | |
| | 3.42147 | 4 29 | 19.01 | 12 49 | 30.4 | 10 | 4 27 | 39.46 | 13 1 | 18.4 | 3 Meridian Observations, Cambridge. | | |
| | 3.42147 | 4 29 | 19.40 | 12 49 | 27.0 | 10 | 4 30 | 19.02 | 12 53 | 54.0 | (a) " " | | |

| | | | | | | | | |
|-------------|------------|--------------|-------|------------|--------------|---|---|---|
| 942594 | 4 34 56.37 | 9 44 41.6 | 1 | 4 33 44.48 | 9 40 0.3 | 3 | " | " |
| 1244611 | 4 37 7.39 | 8 8 14.2 | 5 | 4 35 17.59 | 8 4 7.3 | 3 | " | " |
| 1244611 | 4 37 7.20 | 8 8 15.9 | 5 | 4 40 41.34 | 8 7 12.8 | 3 | " | " |
| 2846773 | 4 41 33.09 | — 0 32 51.8 | 10 | 4 42 42.07 | — 0 35 5.2 | 3 | " | " |
| 2846773 | 4 41 33.16 | — 0 32 53.1 | 10 | 4 43 26.14 | — 0 34 9.1 | 3 | " | " |
| 3045186 | 4 41 18.74 | — 1 35 6.7 | 11 | 4 39 7.66 | — 1 38 10.6 | 3 | " | " |
| 3045186 | 4 41 18.65 | — 1 35 8.5 | 11 | 4 43 7.04 | — 1 32 58.3 | 2 | " | " |
| Nov. 246056 | 4 40 39.92 | — 3 6 55.7 | 4 (b) | 4 40 22.01 | — 3 6 32.7 | 3 | " | " |
| Dec. 247738 | 4 23 38.52 | — 13 32 29.7 | 5 | 4 20 57.47 | — 13 31 48.6 | 3 | " | " |
| 247738 | 4 23 38.63 | — 13 32 29.4 | 5 | 4 25 25.29 | — 13 30 23.1 | 3 | " | " |
| 443092 | 4 22 27.42 | — 13 51 2.5 | 5 | 4 23 56.73 | — 13 54 6.5 | 3 | " | " |
| 443092 | 4 22 27.37 | — 13 51 2.3 | 5 | 4 26 23.93 | — 13 52 41.2 | 3 | " | " |

The corrections for aberration and parallax are applied.

- (a) This star is very faint. The right ascension given here depends on one meridian observation, the declination on three.
(b) Caught only occasional glimpses of the comet; seldom long enough for a complete observation.

Places of Nova Aurigæ, obtained with the Cambridge Transit-Circle, reduced to Mean Equinox, 1892.0.

| 1892. | R.A. 1892.0. h m s | Decl. 1892.0. ° ' " | 1892. Feb. 16 | R.A. 1892.0. h m s | Decl. 1892.0. ° ' " |
|--------|-----------------------|------------------------|------------------|-----------------------|------------------------|
| Feb. 5 | 5 25 3.439 | 30 21 49.38 | | 5 25 3.392 | 30 21 48.64 |
| 11 | .297 | 50.64 | 18 | .450 | 49.47 |
| 12 | .349 | 48.75 | 22 | .289 | 49.40 |
| 13 | .374 | 48.64 | 25 | .414 | 49.58 |

The Observatory, Cambridge:
1892 June 2.